Title (en)

RICE ZINC FINGER PROTEIN TRANSCRIPTION FACTOR DST AND USE THEREOF FOR REGULATING DROUGHT AND SALT TOLERANCE

Title (de)

ZINKFINGERPROTEINTRANSKRIPTIONSFAKTOR DST AUS REIS UND VERWENDUNG ZUR REGULIERUNG DER TROCKENHEITS- UND SALZTOLERANZ

Title (fr)

FACTEUR DE TRANSCRIPTION PROTÉIQUE À DOIGT DE ZINC DU RIZ DST ET SON UTILISATION POUR RÉGULER LA TOLÉRANCE À LA SÉCHERESSE ET AU SEL

Publication

EP 2418215 A1 20120215 (EN)

Application

EP 10761197 A 20100407

Priority

- CN 2010071587 W 20100407
- CN 200910048955 A 20090408

Abstract (en)

Provided are zinc finger protein transcription factor DST having the amino acid sequence as shown in SEQ ID NO: 2, conservative variants and homologous polypeptides thereof. Also provided are DNA sequence encoding the transcription factor DST, vector or host cell comprising the DNA sequence, cis-acting element binding to the DST, inhibitor or non-conservative variant of the transcription factor DST or encoding sequence thereof, and use of the inhibitor or non-conservative variant for improving the drought and salt tolerance in plant.

IPC 8 full level

C07K 14/415 (2006.01); **A01H 1/00** (2006.01); **C12N 15/11** (2006.01); **C12N 15/29** (2006.01); **C12N 15/63** (2006.01); **C12N 15/82** (2006.01); **C12Q 1/68** (2006.01)

CPC (source: EP KR US)

C07K 14/415 (2013.01 - EP KR US); **C12N 15/8209** (2013.01 - KR); **C12N 15/8273** (2013.01 - EP KR US); Y02A 40/146 (2017.12 - KR)

Cited by

CN108739356A; CN108739357A; CN108901820A; WO2015024147A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2418215 A1 20120215; **EP 2418215 A4 20121128**; AU 2010234125 A1 20111110; AU 2010234125 B2 20130620; BR PI1013891 A2 20190924; CA 2758310 A1 20101014; CN 101875689 A 20101103; CN 101875689 B 20130605; JP 2012523219 A 20121004; JP 5758376 B2 20150805; KR 101372114 B1 20140307; KR 20120098975 A 20120906; MX 2011010695 A 20120120; RU 2011145015 A 20130520; RU 2558249 C2 20150727; UA 106489 C2 20140910; US 2012102588 A1 20120426; WO 2010115368 A1 20101014; ZA 201107007 B 20120725

DOCDB simple family (application)

EP 10761197 A 20100407; AU 2010234125 A 20100407; BR PI1013891 A 20100407; CA 2758310 A 20100407; CN 2010071587 W 20100407; CN 201010161188 A 20100407; JP 2012503851 A 20100407; KR 20117026178 A 20100407; MX 2011010695 A 20100407; RU 2011145015 A 20100407; UA A201112626 A 20100407; US 201013258198 A 20100407; ZA 201107007 A 20110926